

What is claimed is:

1. A display comprising:
a light source;
a display panel having a display region that provides images to an observer using light from the light source; and
at least one optical sheet through which light from the light source passes and having a region most proximate to the light source with a hardened part substantially prevents heat from the light source from being transferred to a display region of the at least one optical sheet corresponding to the display region of the display panel.
2. The display according to claim 1, further comprising:
a light guide panel on which light from the light source impinges and from which light is emitted towards a display panel,
wherein the at least one optical sheet comprises a diffusion sheet.
3. The display according to claim 1, wherein the at least one optical sheet comprises a non-display region in which the hardened part is formed.
4. The display according to claim 3, wherein display panel comprises a non-display region in which images are not displayed, and the hardened part overlaps the non-display region of the display panel.
5. The display according to claim 4, wherein the hardened part overlaps only the non-display region of the display panel.

6. The display according to claim 1, wherein the hardened part is formed on at least opposing sides of the at least one optical sheets.

7. The display according to claim 1, wherein the hardened part comprises a section bent by a predetermined angle.

8. The display according to claim 7, wherein the section is bent towards the display panel.

9. The display according to claim 7, wherein the predetermined angle is about 20° to about 90°.

10. The display according to claim 7, wherein a length of the hardened part is about 0.5mm to about 2mm.

11. The display according to claim 1, wherein the hardened part comprises a projecting part.

12. The display according to claim 11, wherein the projecting part projects towards the display panel.

13. The display according to claim 11, wherein a height of the projecting part is about 0.15mm to about 0.2mm.

14. The display according to claim 1, wherein the hardened part comprises a bent part that is bent by a predetermined angle and a convex part.

15. The display according to claim 14, wherein the convex part is disposed within the bent part.

16. The display according to claim 14, wherein the bent part is bent towards the display panel.

17. The display according to claim 14, wherein the convex part projects towards the display panel.

18. The display according to claim 1, wherein the hardened part is separated into hardened patterns.

19. The display according to claim 18, wherein the hardened patterns are substantially rectangular.

20. The display according to claim 18, wherein the display panel has a non-display region in which images are not displayed, and the hardened patterns overlap the non-display region of the display panel.

21. The display according to claim 20, wherein the hardened patterns overlap only the non-display region of the display panel.

22. The display according to claim 1, wherein a temperature difference across the display region of the at least one optical sheet is minimized.

23. A method of manufacturing a display, the method comprising:

obtaining a light source;

obtaining a display panel in which images are observed in a display region by an observer using the light;

obtaining at least one optical sheet through which light from the light source passes having a hardened part that substantially prevents heat from the light source from being transferred to a display region of the at least one optical sheet corresponding to the display region of the display panel; and

positioning the at least one optical sheet such that at least a portion of the hardened part is more proximate to the light source than a center of the at least one optical sheet.

24. The method according to claim 23, further comprising forming the hardened part in the at least one optical sheet.

25. The method according to claim 23, further comprising:
converting the light from the light source into a substantially planar light source and directing the converted light towards the display panel;

diffusing the converted light uniformly over a diffusion region and directing the uniformly spread light towards the display panel in a direction substantially perpendicular to the display panel.

26. The method according to claim 23, further comprising positioning the hardened part in a non-display region of the at least one optical sheet that overlaps with a non-display region of the display panel in which images are not provided to the observer.

27. The method according to claim 26, further comprising positioning the hardened part such that the hardened part only overlaps the non-display region of the display panel.

28. The method according to claim 23, further comprising positioning the at least one optical sheet such that the hardened part is disposed on at least opposing sides of the at least one optical sheet.

29. The method according to claim 23, wherein the at least one optical sheet contains the hardened part having a bent section bent toward the display panel by a predetermined angle.

30. The method according to claim 29, further comprising forming the bent section in the at least one optical sheet.

31. The method according to claim 23, wherein the at least one optical sheet contains the hardened part having a projecting portion that projects towards the display panel.

32. The method according to claim 31, further comprising forming the projecting portion in the at least one optical sheet.

33. The method according to claim 31, wherein the projecting portion comprises a convex part.

34. The method according to claim 23, wherein the hardened part contains a bent part that is bent by a predetermined angle and a projecting portion.

35. The method according to claim 34, wherein the projecting portion projects towards the display panel.

36. The method according to claim 34, wherein the projecting portion is disposed within the bent part.

37. The method according to claim 34, wherein the projecting portion comprises a convex part.

38. The method according to claim 34, wherein the hardened bent part is bent towards the display panel.

39. The method according to claim 23, wherein the hardened part comprises hardened patterns.

40. The method according to claim 23, further comprising cutting a portion of the at least one optical sheet along a line that includes the hardened part.

41. The method according to claim 40, further comprising cutting the hardened part substantially perpendicular to the hardened part to form the hardened patterns.

42. The method according to claim 23, further comprising separating the hardened part into hardened patterns.

43. The method according to claim 23, further comprising positioning the hardened part in a region of the at least one optical sheet that overlaps with a non-display region of the display panel in which images are not provided to the observer.

44. The method according to claim 43, further comprising positioning the hardened part only in the non-display region of

the display panel.

45. The method according to claim 43, further comprising cutting the at least one optical sheet only in the non-display region of the display panel.

46. The method according to claim 23, further comprising minimizing a temperature difference across the display region of the at least one optical sheet.

47. The method according to claim 23, further comprising aligning the hardened part in a direction of warping generated by the heat from the light source.